

SYLLABUS

Industrial planning 7.5 credits A7010A

Industriplanering

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2023-02-15**

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Industriplanering

Second cycle, A7010A

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Industriell produktionsmiljö	Work Science and Ergonomics

Entry requirements

Completed courses of at least 120 credits, with at least the grade Pass. This must include the following courses: Ergonomics 1 (A0015A) 7,5 credits, Industrial Production Environment (A0011A) 7,5 credits, Product-and Manufacturing Design (A0013A) 7,5 credits, Industrial Management with a Sustainability Perspective (G0010N) 7,5 credits, or equivalent knowledge.

Selection

The selection is based on 30-285 credits

Course Aim

The course aims at giving the student the opportunity to actively:

- obtain theoretical and practical knowledge about industrial planning,
- learn working methods suitable for establishment and change of industrial plants,
- practice holistic design of industrial plants under realistic circumstances,
- practice project work and work in project groups under realistic circumstances,
- practice oral presentation and report writing.

A student that has passed the course shall be able to actively and independently work in project groups that work with physical strategic industrial planning at pilot study or pre study level.

Contents

The course has a theoretical and an applied practical part. The following parts are dealt with:

- Organisation of industrial planning work, specification of task, activity, time and resource planning.
- The phases of industrial planning: pilot study, pre study, pre projecting, projecting.
- Connections between industrial planning and community planning.
- Mapping, description and analysis of the present situation and the future.
- Specification of demands, for the design and evaluation of concepts.
- Analysis of industrial location, choice between different building sites, traffic, supply and environmental issues.
- Systematic design of the industrial estate, building sites, buildings, production systems, work organisation and work environment. Short and long term development plans. Building, rebuilding and phase-out of industrial plants.
- Methods for systematic evaluation of concepts.
- Investment assessment- Oral presentation and report writing.

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Lectures, lessons, practices and visits to industrial plants. Independent project work in groups with access to supervision. A major part of the necessary input data are collected by the students themselves through contacts with industrial companies, authorities and organisations. Criticism of oral presentations and written reports.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. For a passed mark the student need to perform a passed project work, a passed presentation of the examination task and a passed project report. Attendance at seminars and presentations is compulsory.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Remarks

Students must register for the courses themselves, or contact ETKS educational administration eduetks@ltu.se, not later than three days after the quarter commences. Failure to do so can result in the place being lost. This rule also applies to students with a guaranteed place.

Course offered by

Department of Social Sciences, Technology and Arts

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Project Work	G U 3 4 5	7.5	Mandatory	A13	

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Business Administration, Technology and Social Sciences 2023-02-15

Syllabus established

by Director of Undergraduate Studies Bo Jonsson, Department of Business Administration, Technology and Social

Sciences 2013-02-18